

Fig.1

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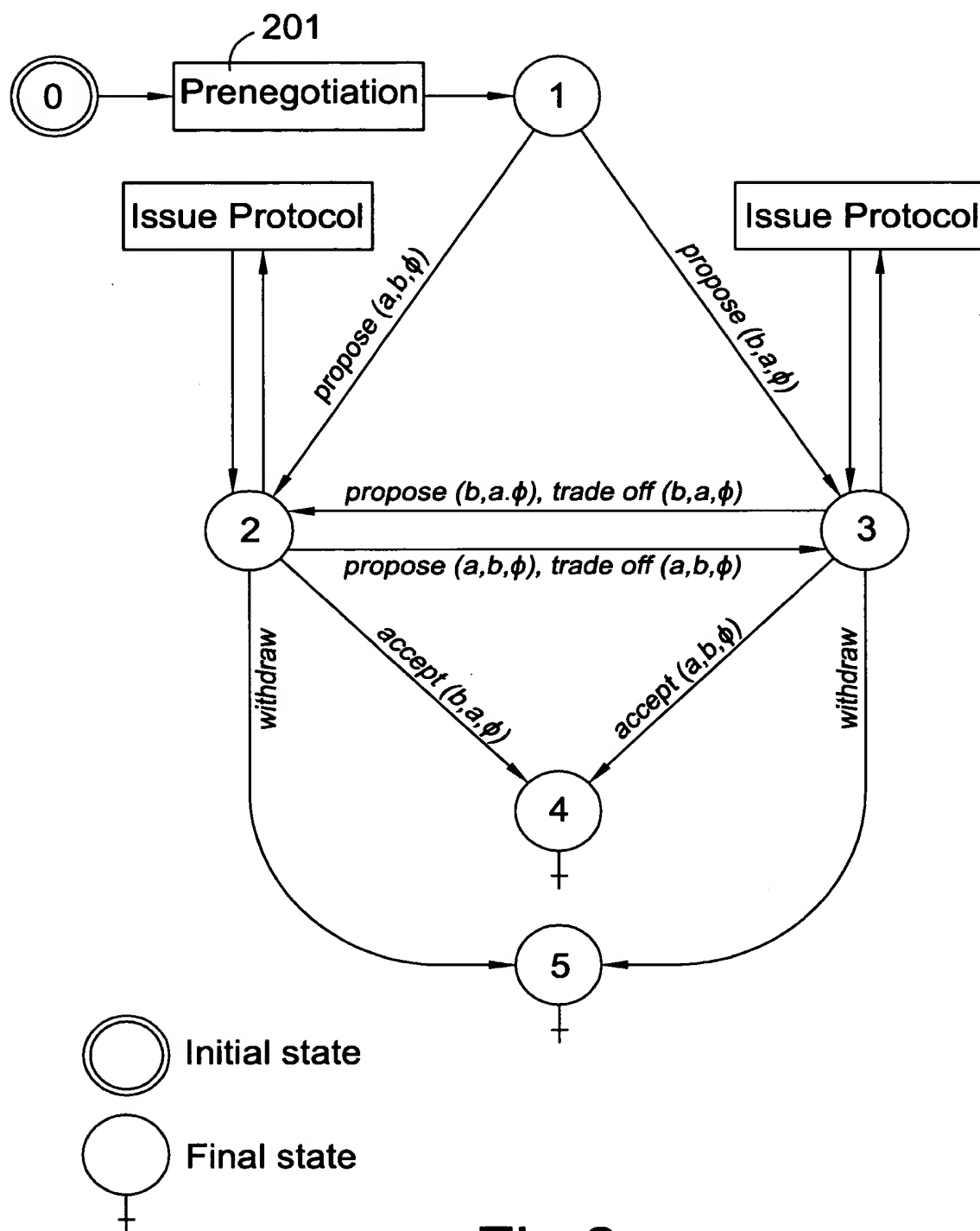


Fig.2

Fig.3

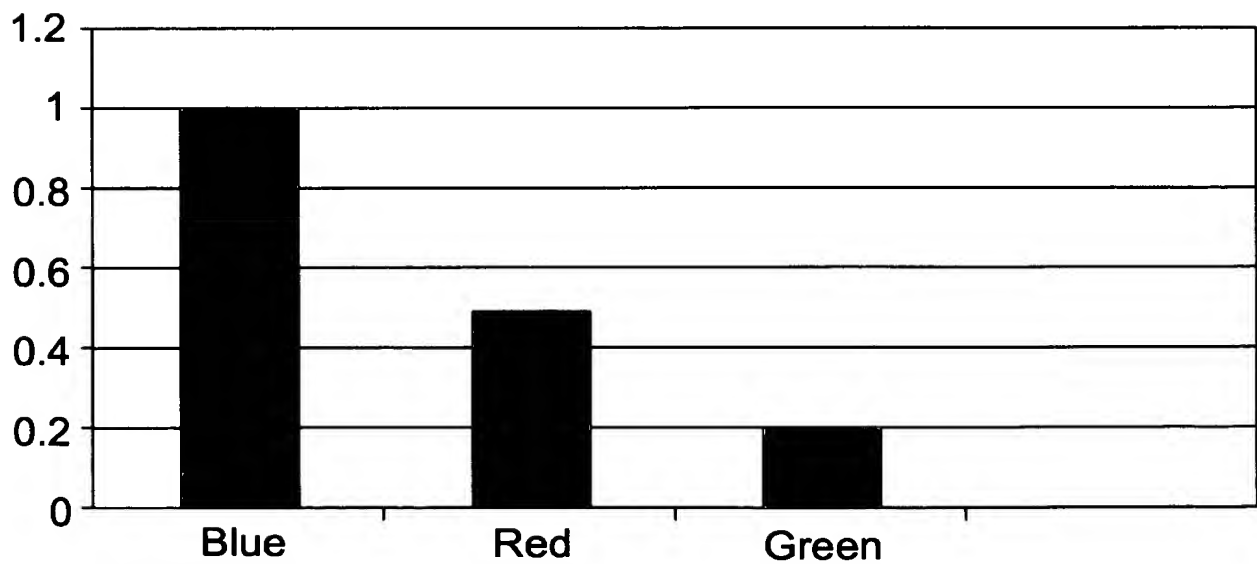
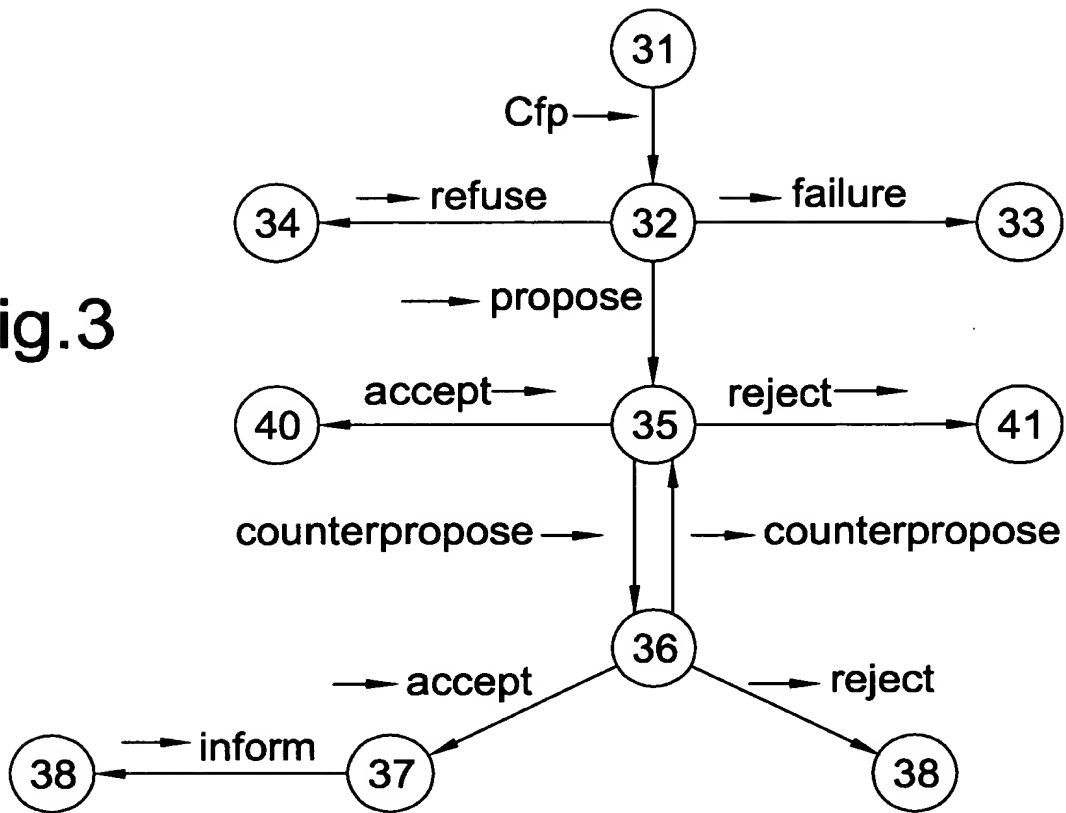


Fig.4

Buyers

Sellers

cfp: Call for proposal

Fig. 5

Supplier's bid based on responses received from a selection of customers and not individual bids.

b = best of

Fig.6

The diagram illustrates the double auction process between Buyers and Sellers via an Intermediary. On the left, three Buyers (represented by boxes labeled 'A') send messages to the Intermediary (a central box labeled 'A'). The messages are: 1. $cfp(x)$, 4. $propose(b(x,y,z))$, 1. $cfp(y)$, 4. $propose(b(x,y,z))$, 1. $cfp(z)$, and 4. $propose(b(x,y,z))$. On the right, the Intermediary sends messages to three Sellers (represented by boxes labeled 'A'). The messages are: 2. $cfp(b(x,y,z))$, 3. $propose(x)$, 2. $cfp(b(x,y,z))$, 3. $propose(y)$, 2. $cfp(b(x,y,z))$, and 3. $propose(z)$. The labels 'Buyers' and 'Sellers' are at the bottom, and 'Intermediary' is at the bottom center.

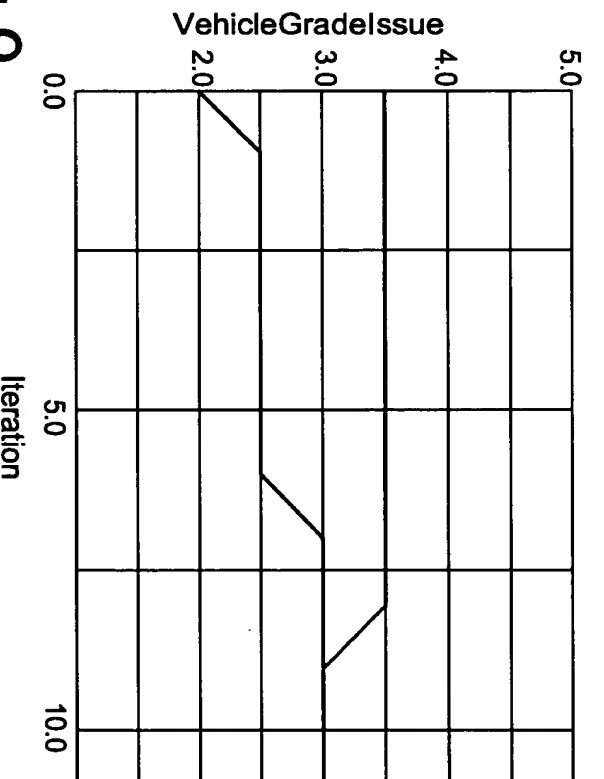
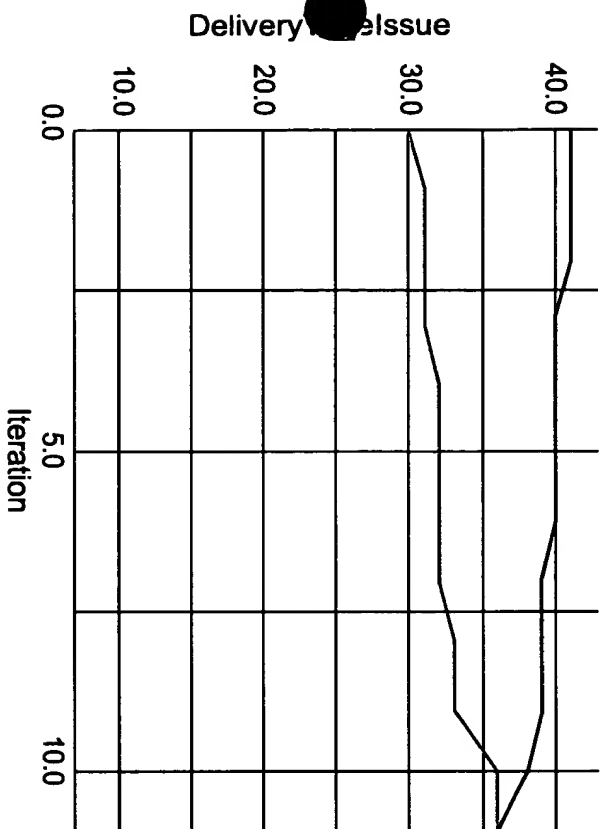
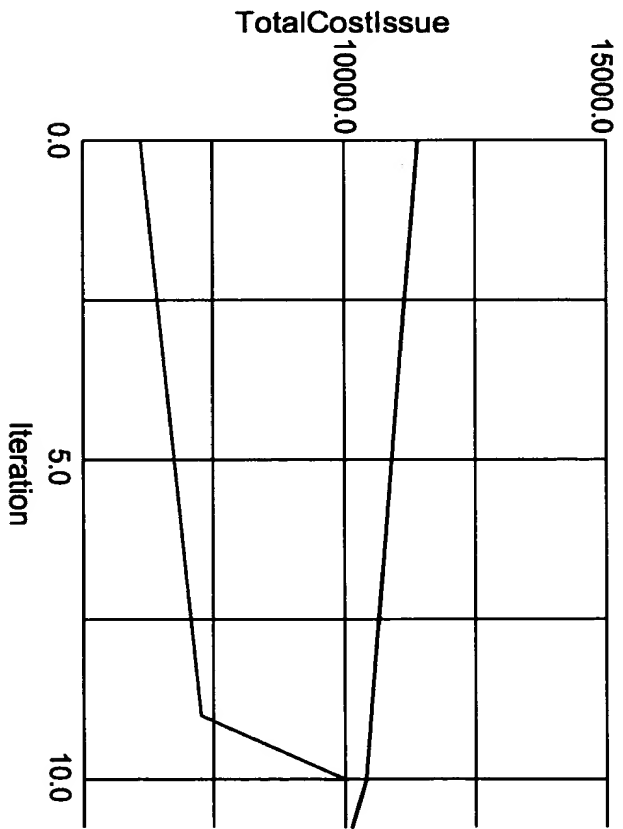
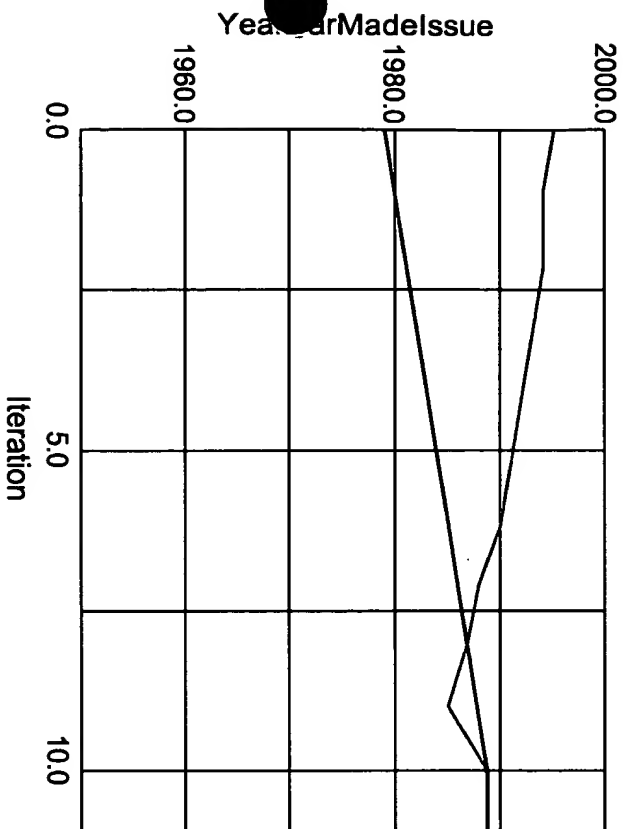


Fig.9

Fig.10

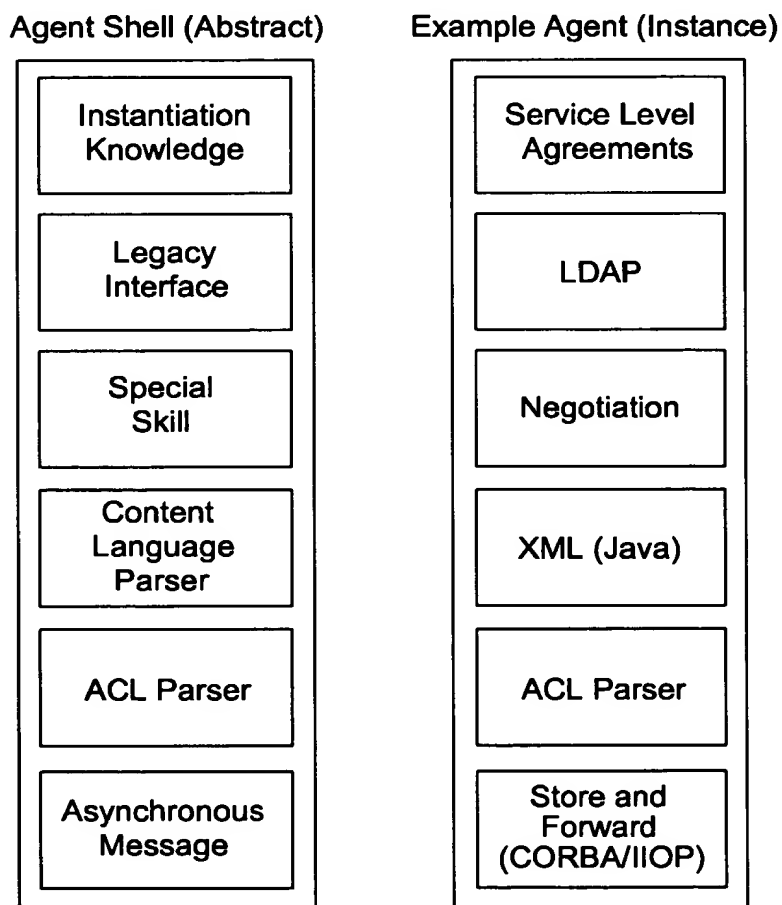


Fig.11

Fig.12